

OWNER'S MANUAL



Emerson®

**HQ** - HIGH QUALITY PICTURE

**FRONT LOAD**

**VIDEO CASSETTE RECORDER**

WITH FULL FUNCTION WIRELESS REMOTE CONTROL

**VCR872**



THIS VIDEO CASSETTE RECORDER IS BASED ON THE  
VHS FORMAT ONLY VIDEO CASSETTE TAPES WITH  
THE VHS MARK MAY BE USED WITH THIS MODEL.

PREPARATION

RECORDING

PLAYBACK



## CAUTION

RISK OF ELECTRIC SHOCK  
DO NOT OPEN



**CAUTION:** TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK) NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

**WARNING:** To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

## IMPORTANT

"Unauthorized recording of copyrighted television programs, films, video tapes and other materials may infringe on the rights of copyright owners and be contrary to copyright laws."

# FEATURES

## HQ FEATURE

This video cassette recorder marked "HQ" incorporates VHS high quality picture technology. A built-in detail enhancer is used to boost the recorded signal and provide maximum picture quality in playback. It is compatible with other VHS video cassette recorders.

### ● HQ-High Quality Picture

### ● Wireless Remote Control

### ● 21 DAY / 8 Event Programmable

### ● 16 Channel Preset Tuner Section

### ● 110 Channel Cable Compatible

### ● Programmable One Touch Recording System

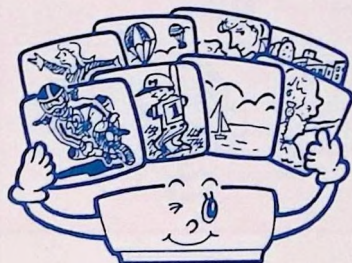
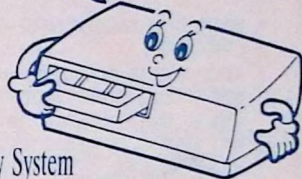
### ● Auto Rewind, Auto Power On

### ● Auto Play / Auto Repeat Play System

### ● Fluorescent Multi Function Display

### ● 30 Minutes Timer Back Up System

### ● AC Outlet



## CONTENTS

FEATURES . . . . .	1
PRECAUTIONS . . . . .	2
LOCATION OF CONTROLS . . . . .	4
CONNECTIONS . . . . .	8
SETTING THE VIDEO CHANNEL . . . . .	9
PRESETTING THE CHANNELS . . . . .	10
SETTING THE CLOCK TO THE PRESENT TIME . . . . .	12
LOADING AND UNLOADING THE CASSETTE TAPE . . . . .	13
TV PROGRAM RECORDING . . . . .	14
ONE TOUCH TIMER RECORDING (OTR) . . . . .	16
TIMER RECORDING . . . . .	18
THE OTHER CONVENIENT FUNCTIONS FOR TIMER RECORDING . . . . .	20
HOW TO RECORD WITH A VIDEO CAMERA . . . . .	23
PLAYBACK . . . . .	24
SPECIAL EFFECTS PLAYBACK . . . . .	26
CONVENIENT USE OF THE COUNTER/TIMER DISPLAY . . . . .	28
REMOTE CONTROL OPERATION . . . . .	29
CONNECTIONS WITH OTHER EQUIPMENT . . . . .	30
BEFORE REQUESTING SERVICE . . . . .	32
VIDEO HEAD CLOGGING AND CLEANING . . . . .	33

# PRECAUTIONS

## MOISTURE CONDENSATION

**IF THE UNIT IS SUDDENLY MOVED FROM A COLD PLACE TO A WARM PLACE, DO NOT OPERATE IT FOR A FEW HOURS.**

### ■ WHAT IS MOISTURE CONDENSATION?

When cold beer is poured into a glass, for example, water vapour in the air will condense on the surface of the glass. This is called moisture condensation.

### ■ MOISTURE CONDENSATION DAMAGE

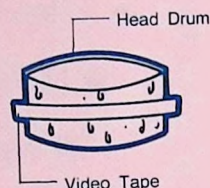
Moisture condensation on the head drum, one of the most crucial parts of the unit will cause damage to the tape.

### ■ MOISTURE WILL CONDENSE ON THE UNIT IN THE FOLLOWING CASES;

- When you move it from a cold to a warm place.
- After heating a cold room or under extremely humid conditions.

### ■ BUILT-IN MOISTURE CONDENSATION PREVENTION CIRCUIT;

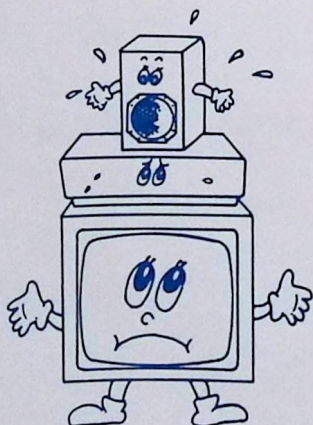
This unit is equipped with a moisture condensation prevention circuit which automatically heats the head drum according to the ambient temperature. This circuit operates when the unit is plugged into an AC outlet and the power switch is set to ON.



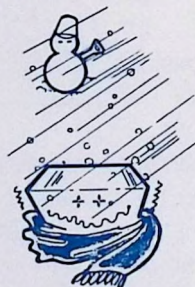
### NOTE

Since this facility cannot immediately evaporate any moisture condensation that might be present, the VCR must not be used for at least a few hours after plugging in to an AC power supply.

Do not place unit on or near appliances which may cause electromagnetic interference eg. television speakers, etc. doing so may affect operation of the video cassette player or video cassette recorder causing erratic playing or recording picture or sound distortion or noise.



Avoid extreme cold.



Avoid extreme heat.



Avoid extreme moisture and dust.



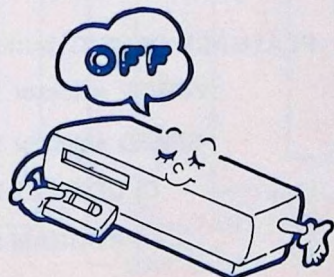
Avoid places subject to strong vibration.  
Use in horizontal (flat) position only.



Keep the unit away from flower vases, sink, etc. If liquids should be spilled into the unit, serious damage will result. If you spill any liquid into the unit, consult qualified service personnel before attempting to use the recorder again.



When you finish operating the unit always unload the cassette and turn off the power.



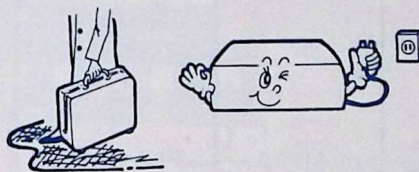
Do not insert fingers or any other objects into the cassette loading slot. Do not spray cleaner or wax directly on the unit or use forced air to remove dust.



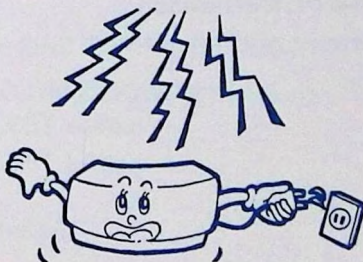
The ventilation holes prevent abnormal increase in temperature. Do not block or cover these holes. Especially avoid covering the holes with soft materials such as cloth or paper.



When you leave your home for a long period of time, unplug the Power Cord.

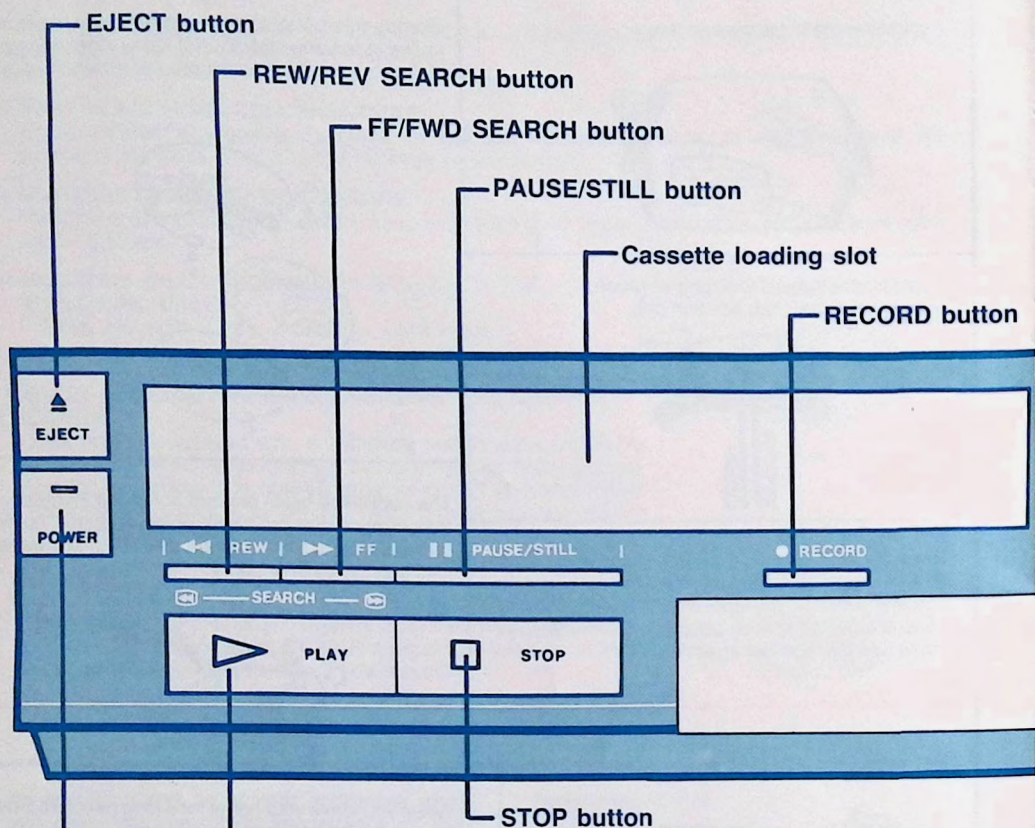


For protecting the unit during a lightning storm, unplug the plug from the wall outlet and never touch the antenna leads.

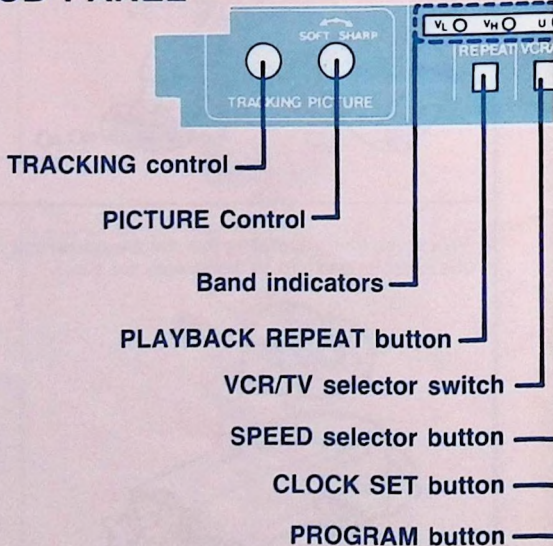


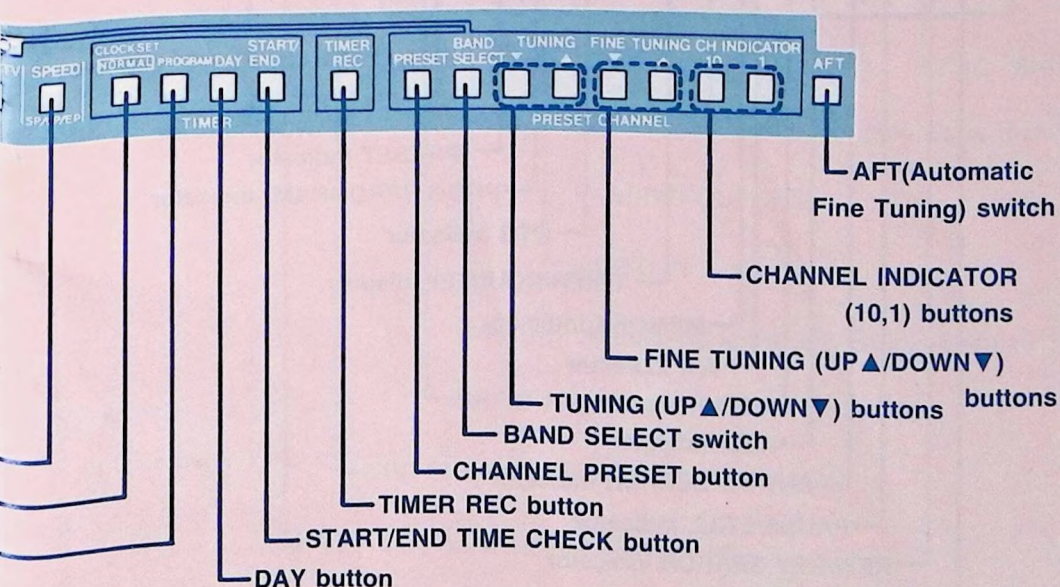
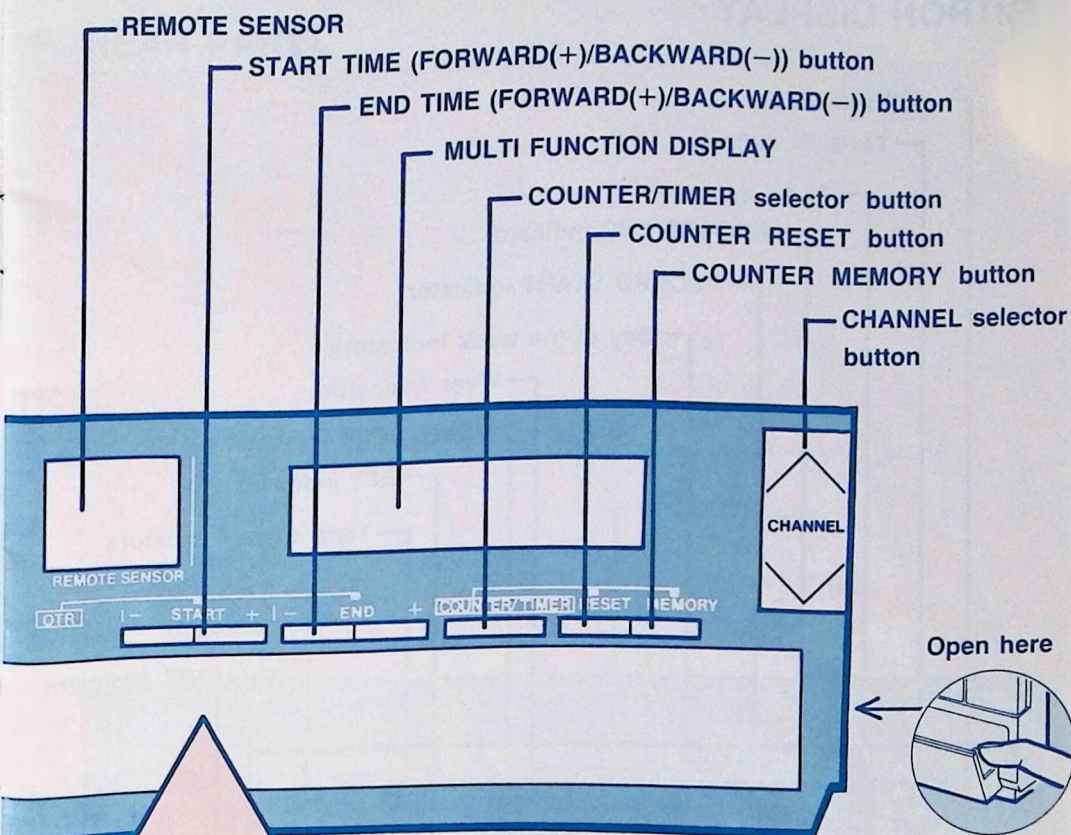
# LOCATION OF CONTROLS

## FRONT PANEL

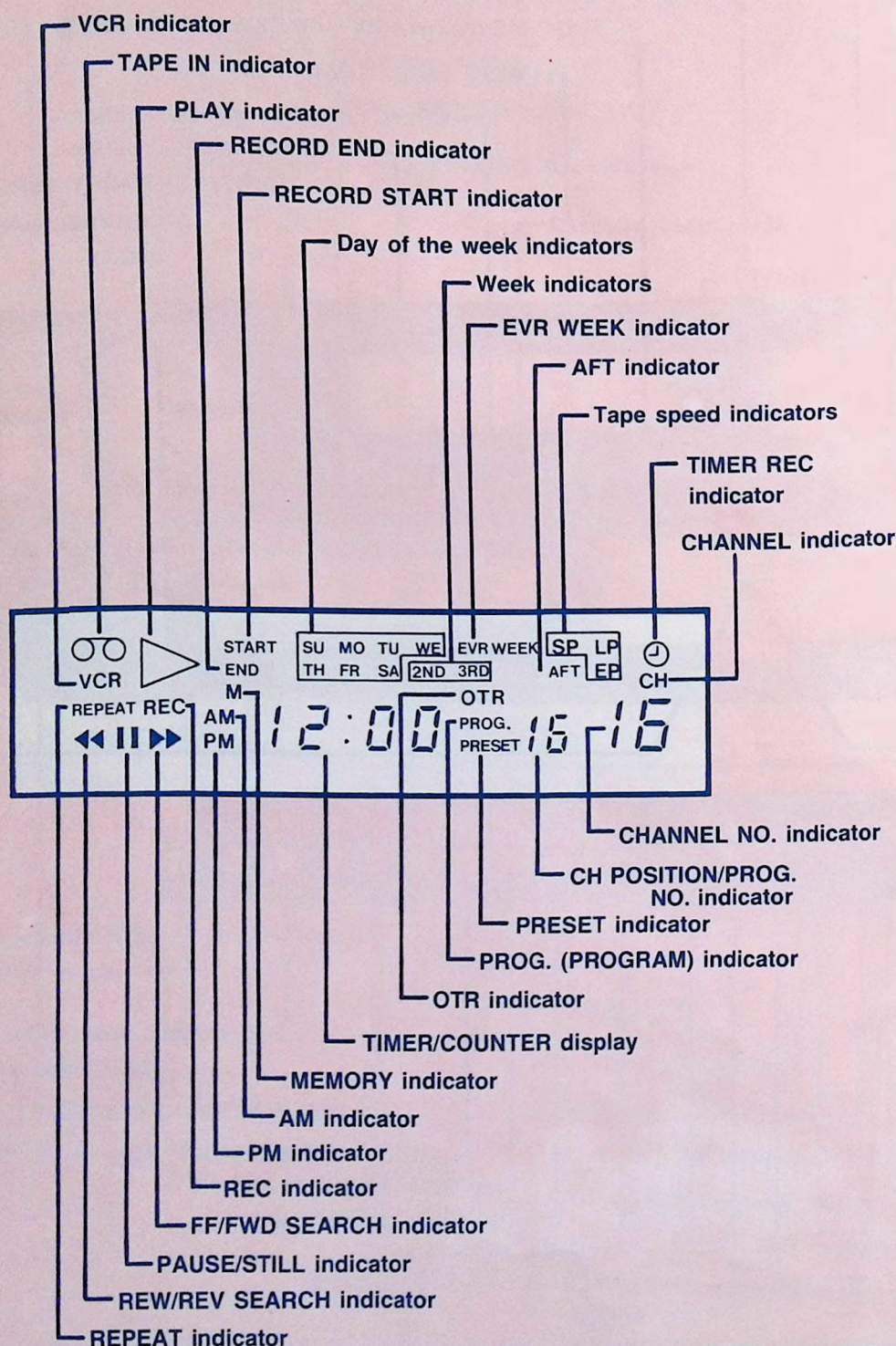


## SUB PANEL

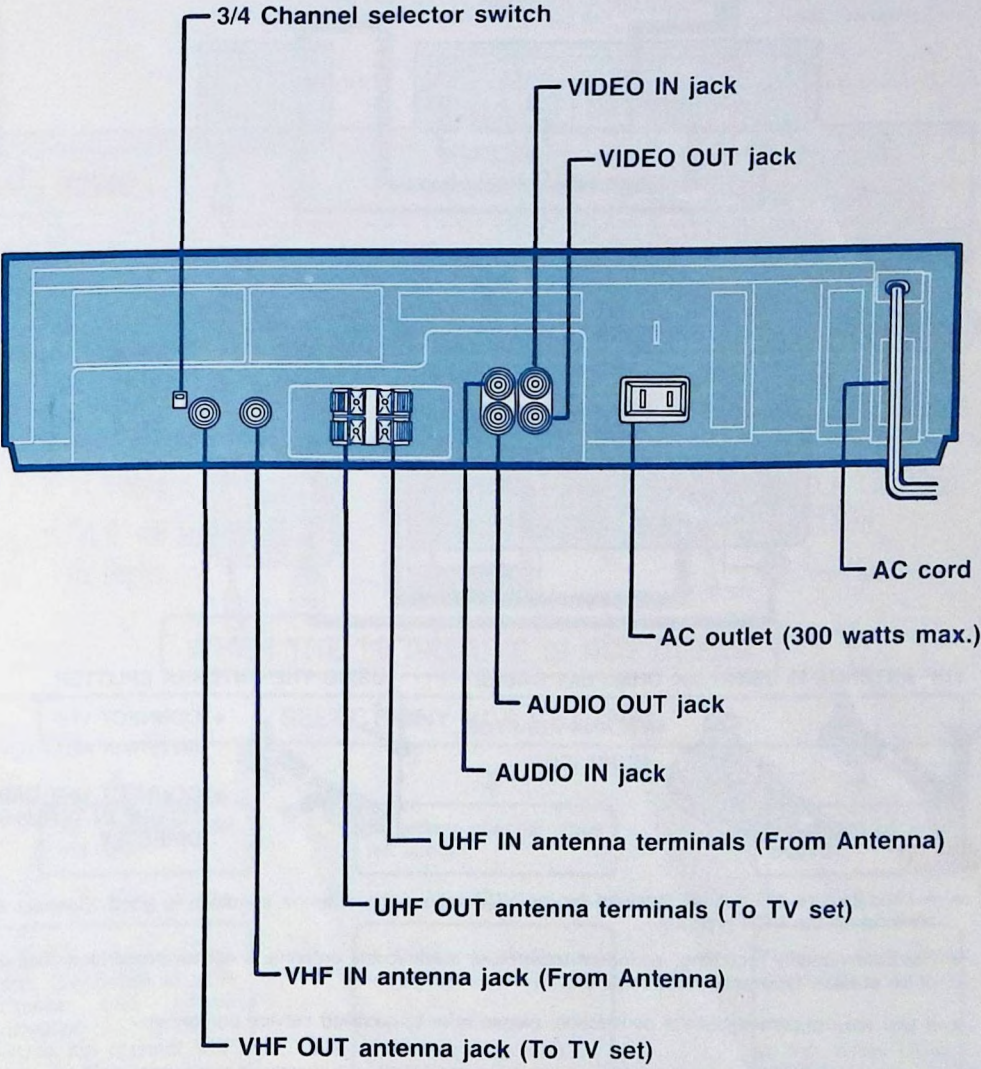




# DIGITRON DISPLAY



# REAR PANEL

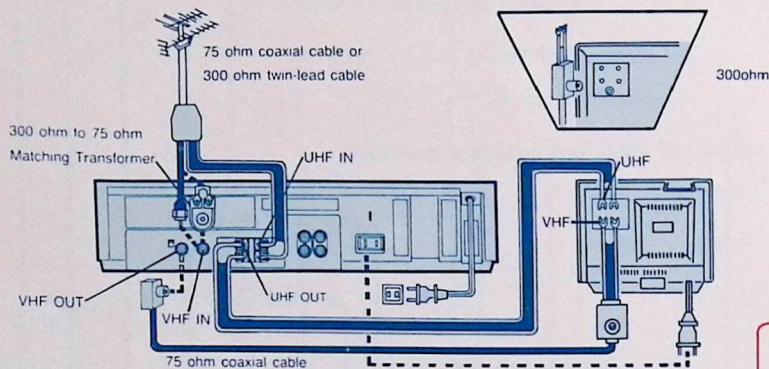


# CONNECTIONS

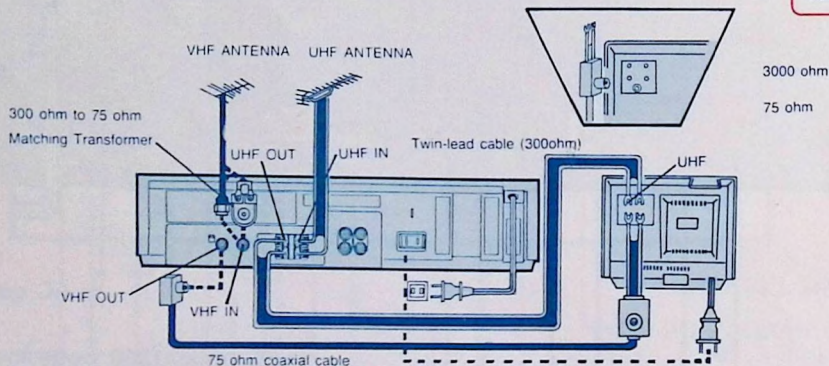
AS ILLUSTRATED BELOW, NORMALLY THERE ARE TWO TYPES OF ANTENNA CONNECTION TO YOUR TV SET. CHOOSE ONE WHICH IS THE SAME AS YOURS.

1. Disconnect all antenna connections from the antenna terminals on your TV set.
2. Reconnect them to the VHF/UHF input jacks on the VCR.
3. Connect the VHF/UHF output jacks from the VCR to the antenna terminals on the TV set.

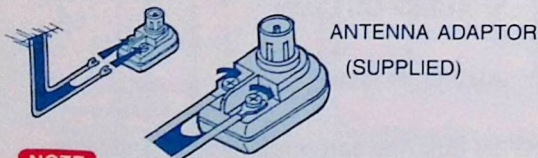
## VHF/UHF RECEPTION AREA USING COMBINED VHF/UHF ANTENNA



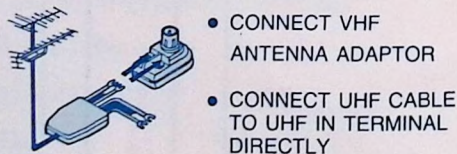
## VHF/UHF RECEPTION AREA USING SEPARATE ANTENNA FOR VHF AND UHF



## VHF ANTENNA IS USING 300 OHM FLAT CABLE



## USING THE ANTENNA SPLITTER



### NOTE

- A clear picture will not be obtained by the VCR unless the antenna condition is good. Connect the antenna on the VCR properly.
- For better quality recording, an indoor antenna or a telescopic antenna is not recommended. The use of an outdoor type antenna is required.
- If you are not sure about the connection, please refer to qualified service personnel.

As for "DUPLICATING A VIDEO TAPE", "A/V CONNECTION" and "CATV CONNECTION", refer to CONNECTIONS WITH OTHER EQUIPMENT page 30 and 31.

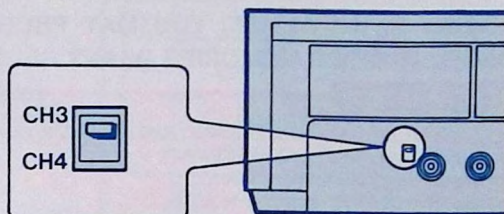
# SETTING THE VIDEO CHANNEL

See page  
 · PRESETTING THE CHANNEL 10-11  
 · CLOCK ADJUSTMENT 12.  
 · LOADING THE CASSETTE 13

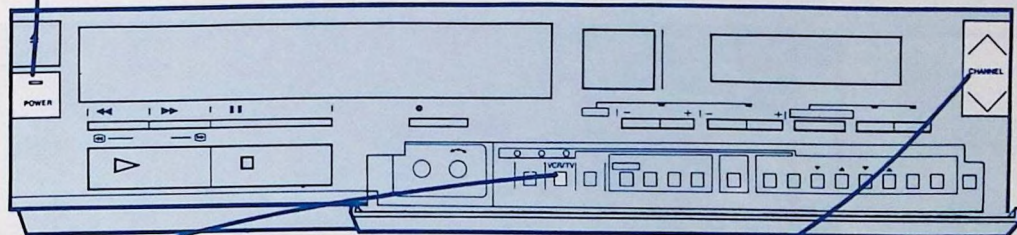
TO VIEW THE PLAYBACK OF A RECORDED TAPE, OR TO WATCH A PROGRAM SELECTED BY THE VCR'S CHANNEL SELECTOR, THE TV SET MUST BE SET TO CHANNEL 3 OR 4 (VIDEO CHANNEL).

## RF CONVERTER

RF converter will convert the recorded or playback signal into the TV RF (Radio Frequency) signal. RF signal from VCR comes into a TV set with channel 3 or 4 (VIDEO CHANNEL).



- 1** TURN ON VCR
- 2** Set the 3/4 CHANNEL SELECT SWITCH to CH 3 or 4 whichever is not being used for TV broadcasts in you area.



- 3** Press the VCR/TV SELECT SWITCH to VCR position.
  - 'VCR' will light up on the display.
- 4** Turn on the TV set and set to CH 3 or 4.
- 5** Make sure that any channels will be receive on TV set by using the VCR CHANNEL SELECT BUTTON.



## WHEN THE TV PICTURE IS NOT CLEAR

### SELECT ANY VCR CHANNEL

All channels are not clear.

In areas of weak reception, connection of VCR causes bad picture reception.  
 — Use the optional VHF Antenna Booster.

A certain channel does not appear.

A Certain VCR Channel is not tuned.

— See Page 10-11.

No picture on any channel.

TV set is not set to Channel 3 or 4.

— Tune your TV set to the Video Channel (3 or 4).

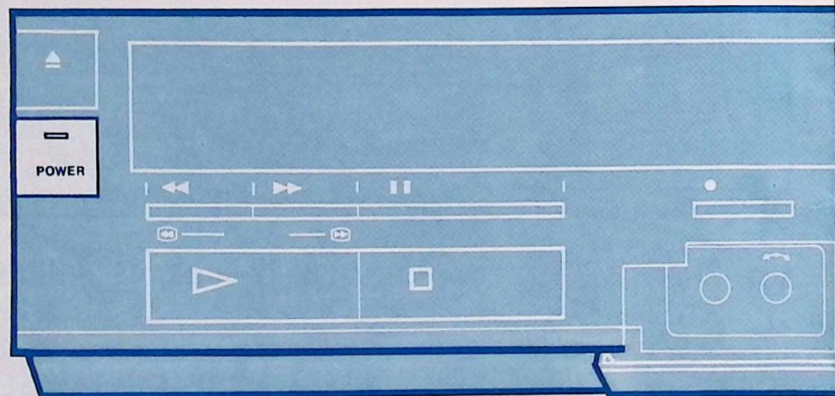
# PRESETTING THE CHANNEL

THE TUNER BUILT INTO YOUR VCR CAN RECEIVE ANY REGULAR TV CHANNELS FROM 2 THROUGH 83 OR 27 CABLE CHANNELS. EACH OF SIXTEEN CHANNEL NUMBERS CAN BE PRESET TO ANY OF THE CHANNELS MENTIONED ABOVE. YOUR VCR HAS BEEN ADJUSTED AT THE FACTORY FOR VHF CHANNEL 2 THROUGH 13, HOWEVER, YOU MAY PROGRAM ANY OR ALL OF 16 PRESET CHANNEL NUMBER MEMORIES IN ANY SEQUENCE FOR YOUR CONVENIENCE.

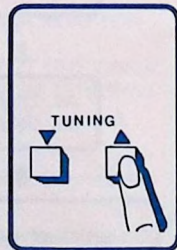
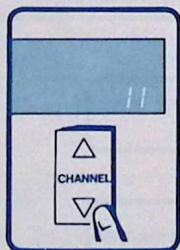
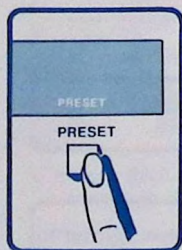
## PREPARATION

- Turn on the TV POWER switch and set to the video channel 3 or 4.
- Turn on the VCR POWER switch.
- Open the compartment door.
- Set the VCR/TV selector to VCR.
- Make sure that the timer display shows the present time correctly.
- Make sure that the TIMER REC switch is OFF.

FOR EXAMPLE: TO CHANGE VHF 11 TO UHF 31 CHANNEL ON THIS VIDEO



- 1 Press the PRESET button, and PRESET indicator lights up and AFT indicator goes off.
- 2 Select channel 11 with either 'Up(Δ)' or 'Down(∇)' channel button on VCR.
- 3 Press the BAND select switch until UHF indicator lamp lights up.
- 4 Press the 'Up(Δ)' TUNING button until UHF 31 appears on TV.



\* To set the BAND select switch to your desired channel, see the right-above table.

## USAGE OF THE FINE TUNING BUTTONS

If your TV picture is not clear, you must perform FINE TUNING. Press and hold the FINE TUNING button ( $\Delta$  or  $\nabla$ ) until a clear picture is obtained.



Too far in the  
HIGH direction  
Mesh shaped  
stripes appear



Normal picture



Too far in the  
LOW direction  
Color disappears  
from the picture

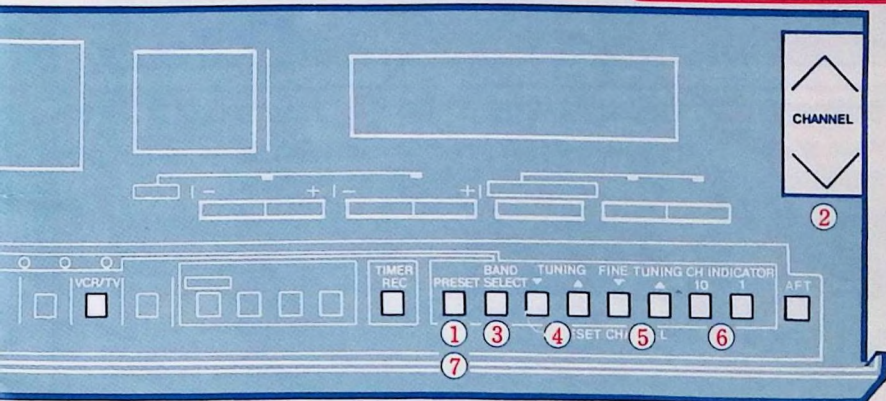
## TABLE FOR SELECTING 3 BANDS

Press the BAND select switch until the desired indicator lamp lights up as shown below.

	VHF/UHF	CATV
V L	CH 2 - 6	CH A-5~A-3
V H	CH 7 - 13	CH A-2~A-1 CH A ~ I CH J ~ W
U	CH 14 - 83	

## NOTE

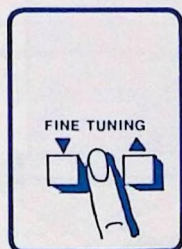
Do not miss FINE TUNING (step 5) in consideration of bad condition of radio wave. The AFT switch automatically changes to off during operation of preset tuning. It is recommended that the AFT switch is always at on position.



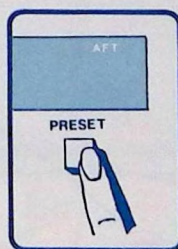
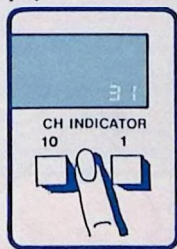
**5** Press the either 'Up( $\Delta$ )' or 'Down( $\nabla$ )' FINE TUNING button until UHF 31 appears clear on the TV screen.

**6** Press the channel indicator button 10's to set number 3, and button 1's to set the 1, to change to 31 in channel display.

**7** Press the PRESET button again and PRESET indicator goes off and AFT indicator lights up.



To operate the FINE TUNING buttons correctly, see above instructions.



## NOTE

Unless pressed this button, your desired channel should not be memoried.

# SETTING THE CLOCK TO THE PRESENT TIME

THIS CLOCK IS BASED ON 12-HOUR DISPLAY. [ AM 12:00 ] INDICATES MIDNIGHT; [ PM 12:00 ] MIDDAY AND [ PM 3:00 ] 3 O'CLOCK IN THE AFTERNOON.

## IN CASE OF CLOCK DISPLAY FLASHING

### FOR EXAMPLE

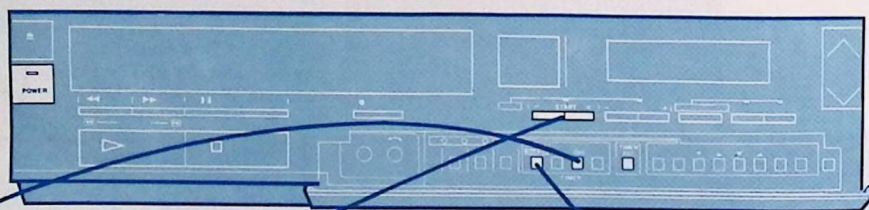
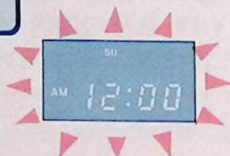
setting the clock 'MON 9:05 PM'.  
(The present time is 9:04 on Monday evening.)

### NOTE

After a power failure or disconnection of the power plug, all programmed recording settings and time display will be lost and will be shown by the 12:00 time display upon resumption of power. In this case reset the present time and then program recording. Since built-in circuit continues to work for 30 minutes, the timer display indicates the present time if the power resumes within 30 minutes.

### PREPARATION

- VCR POWER switch is on.
- Make sure the TIMER REC switch is off.
- Open the compartment door. (after setting the clock, close the door)



- 1 Press the DAY button to set 'MO'.
- 2 Press the START(+) or (-) button to set '9:05'.
- 3 Press the CLOCK SET button when the present time reaches 9:05' 00".



(SU→MO→TU...)



(+)(00→01→02→03..)

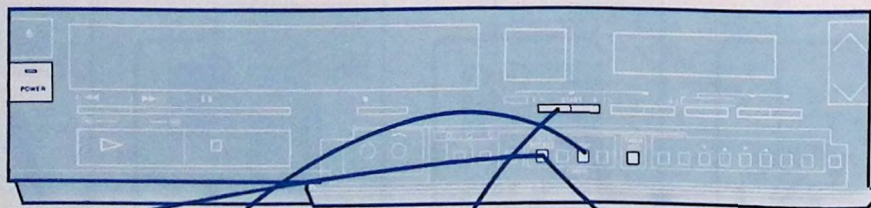
(-)(00→59→58→57..)



The clock will start from "00" seconds, however, the seconds will not be displayed.

When the START button is pressed quickly and repeatedly, the indication will change in 1-minute steps. When it is kept pressed, the indication will change in 10-minute steps.

## HOW TO RESET THE CLOCK

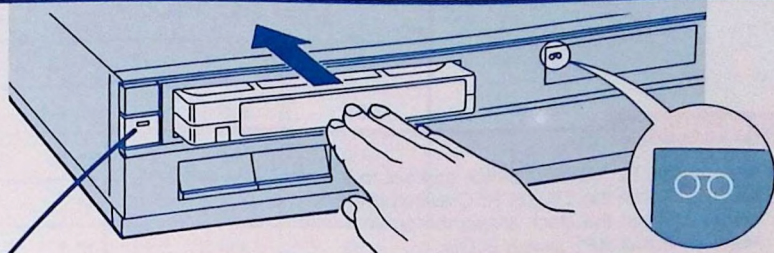


- 1 Press the CLOCK SET button. The clock display starts to flash.
- 2 Press the DAY button to adjust the day.
- 3 Press the START(+) or (-) button to adjust the clock.
- 4 After the present time is set, press the CLOCK SET button.

# LOADING AND UNLOADING THE CASSETTE TAPE

USE ONLY VIDEO CASSETTE TAPES MARKED **VHS**.

## LOADING



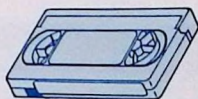
Push the center of the tape until it is automatically retracted.

The TAPE IN indicator illuminates.

The POWER switch will turn on automatically when inserting the cassette tape.

Insert the cassette with its labeled side facing you.

An inverted cassette cannot be inserted.

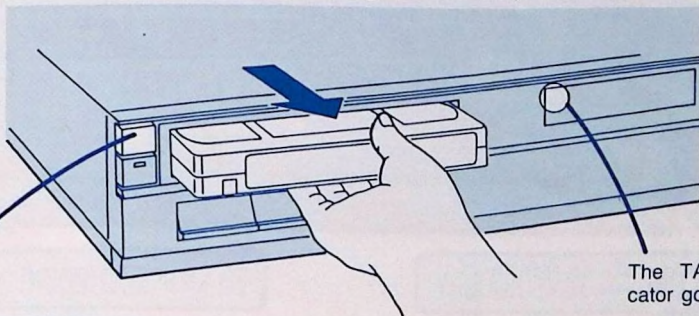


## AUTO PLAY

When inserting the cassette tape without prevention tab, the POWER switch will turn on and playback automatically.

## UNLOADING

You can eject the cassette regardless of the position of the POWER switch.



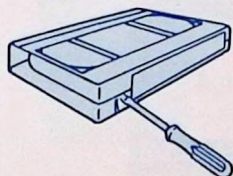
The TAPE IN indicator goes off.

**1** Press the EJECT button.

**2** Take out the cassette tape.

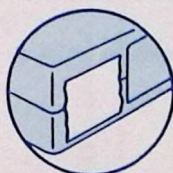
**NOTE** During the TIMER RECORDING and OTR, the tape cannot be ejected. Eject after turning off the TIMER REC switch. (See page 18.)

## TO PREVENT ACCIDENTAL ERASURE



Break off the tab with a screwdriver.

## TO RECORD AGAIN



Cover the hole with adhesive tape.

# TV PROGRAM RECORDING

## PREPARATION

- Turn on the TV POWER switch and set to the video channel 3 or 4.
- Make sure that the TIMER REC switch is OFF.
- Make sure that the clock shows the present time correctly.
- Make sure that AFT switch is ON.

**1** Load a blank cassette tape with a tab

POWER

PAUSE/STILL

RECORD

STOP

## TO STOP RECORDING TEMPORARILY

Press the **PAUSE/STILL** button.

Use if you wish to cut unwanted portion from a program.

- ☆ To protect the tape, the PAUSE/STILL function is automatically released after 5 minutes.

## TO STOP RECORDING

Press the **STOP** button.

## RECORDING ONE PROGRAM WHILE WATCHING ANOTHER

- Make sure that 'VCR' indication goes off. If it is on, press the VCR/TV selector switch to make the indication go off.
- Select the TV channel you wish to watch on your TV set.



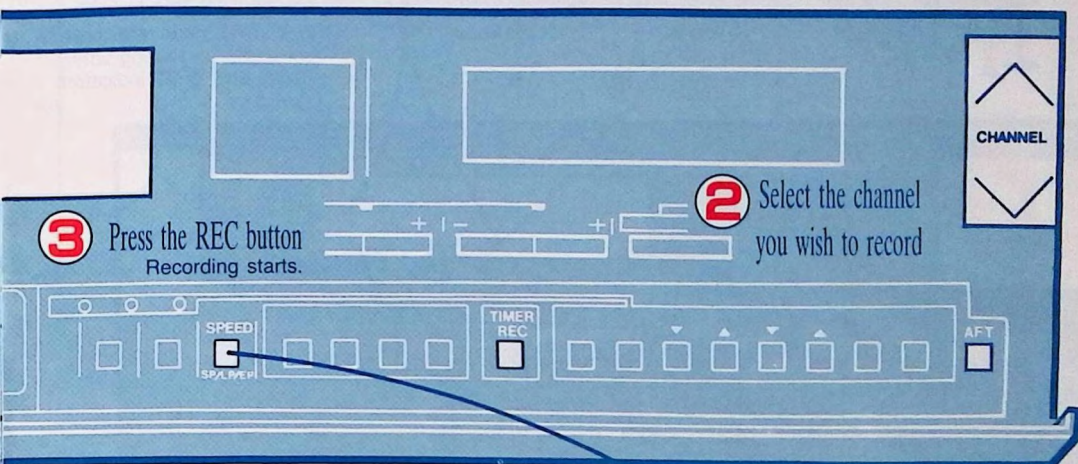
## TO CHECK THE PICTURE DURING RECORDING

- Set the VCR/TV selector switch to VCR and indicator lights up.
- Set the TV channel to 3 or 4.



TAPE SPEED AND MAXIMUM RECORDING TIME TABLE

VIDEO CASSETTE	MAX.REC.TIME		
	SP	LP	EP
T-160	2-2/3 hrs.	5-1/3 hrs.	8 hrs.
T-120	2 hrs.	4 hrs.	6 hrs.
T-90	1-1/2 hrs.	3 hrs.	4-1/2 hrs.
T-60	1 hr.	2 hrs.	3 hrs.
T-30	30 min.	1 hr.	1-1/2 hrs.



If the cassette without a tab is inserted, the cassette is automatically ejected to warn you.

## REMOTE CONTROL OPERATION



- The infra-red beam should be transmitted directly at the REMOTE SENSOR on the front of the VCR.
- ① Load a cassette tape.
- ② Select your desired channel.
- ③ Press the REC buttons simultaneously.

## TAPE SPEED

- Set to SP(standard play); LP(long play); or EP(extended play) to select recording speed. Speed selection is automatic during playback.
- The 'SP' mode is recommended for recording music program.

## NOTE

### AUTO REWIND FACILITY

- The unit will automatically rewind the cassette when the end of the tape is reached. (except OTR and TIMER REC)
- Ensure all cables from the Video Input and Audio Input jacks are disconnected, it is impossible to record TV programs.

# ONE TOUCH TIMER RECORDING (OTR)

THIS ENABLES A PROGRAM CURRENTLY BEING TRANSMITTED, TO BE RECORDED AT THE TOUCH OF A BUTTON.

This convenient function makes it possible to easily program with immediate start or with start within 24 hours.

The VCR will automatically turn itself off when the recording time ends.

## PREPARATION

- Make sure that the clock shows the present time correctly.
- Load a blank cassette with the erasure prevention tab intact.
- Make sure the TIMER REC switch is OFF.
- Select the tape select switch to desired position (SP, LP or EP).
- Make sure that AFT switch is ON.

## TO START RECORDING IMMEDIATELY

When a telephone rings during watching TV.



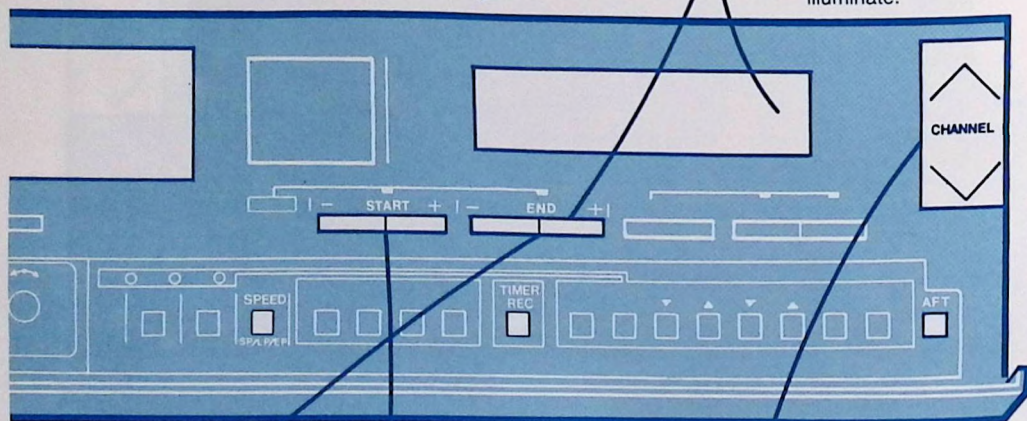
When a visitor comes during watching TV.



- 1 Make sure of the channel.
- 2 Set the desired ending time by pressing END (+) button.

Ex: Present time 4:30, recording time is 30 minutes, set the OTR time to 5:00.

\* Recording starts from present time as starting time. 'REC' and 'OTR' indicators illuminate.



## TO START RECORDING DEFERRED

FOR EXAMPLE: In case of recording; 31ch. PM 10:00 - PM 11:30

- 3 Set the desired ending time by pressing END (+) or (-) buttons.
- 2 Set the desired starting time by pressing START (+) or (-) button.



- 1 Set the channel to be record.

### CHANGE OF THE TIMER DISPLAY

- Pressing START and END buttons  
(+)...advance(00→01→02→...)  
(-)...reverse(00→59→58→...)  
When a button is pressed quickly and repeatedly, the indication will change in 1-minute steps. When it is kept pressed, the indication will change in 10-minute steps.

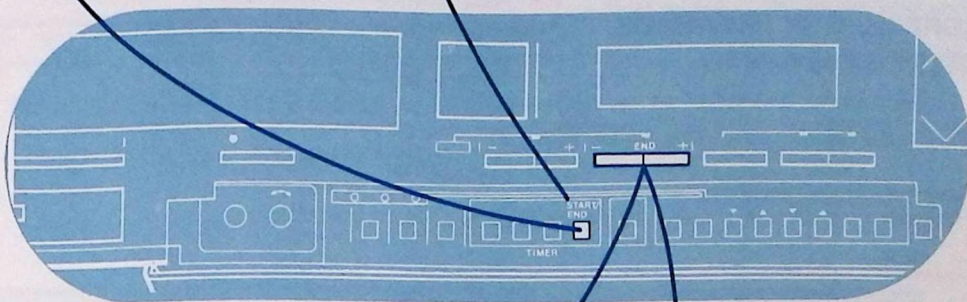
## TO CONFIRM OTR TIME

### NOTE

During recording, you can confirm the present time by pressing COUNTER/TIMER button.

**1** Press the START/END button. Starting time appears on the display.

**2** Press the button again. Ending time appears.



## TO EXTEND THE RECORDING TIME

Press END(+) button until the desired time appears on the display.

## TO CANCEL

Keep pressing both buttons simultaneously for about 2 seconds.

OTR and REC indicators on the display go off.

When going out before starting TV program.



When staying in bed before starting TV program.



### NOTE

- During the OTR, it is impossible to operate any functions.
- When the tape reaches its end during the OTR the VCR will turn itself off. The tape will not automatically rewind.
- **POWER FAILURE OR UNPLUGGING THE AC CORD AFTER SETTING OTR**  
Since the built-in circuit continues to work for 30 minutes, the recording will return if the power resumes within 30 minutes. If the power resumes in over 30 minutes, you have to set the present time (see page 12) then set OTR again.

# TIMER RECORDING

**ALL YOU HAVE TO DO IS TO SET THE TIMER CORRECTLY AND YOU CAN GO AWAY WITHOUT MISSING THOSE 'MUST-SEE' PROGRAMS.**

This convenient function makes it possible to automatically turn the unit on and start recording when the start setting time is reached, and turn the unit off after the recording time is over.

## RECORDING 8 TV PROGRAMS UP TO 21 DAYS AHEAD

This VCR has the following timer recording functions.

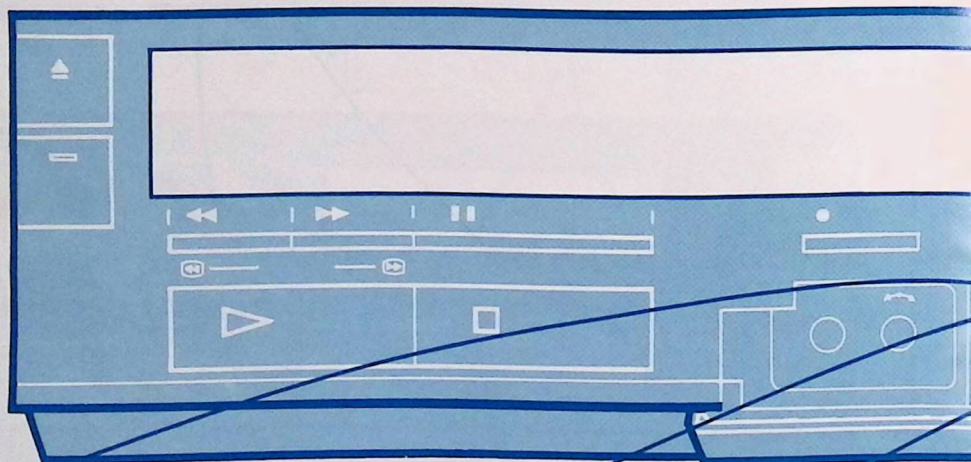
- Recording on your desired DAY.
- Recording on every day or every week at the same time for the next 21 days.

### PREPARATION

- Make sure that the clock shows the present time correctly.
- Load a blank cassette with tab.
- Open the compartment door.
- Make sure that the **TIMER REC** switch is OFF.
- Make sure that **AFT** switch is ON.

### FOR EXAMPLE

Program a timer recording for 1st week, **Wednesday**, channel **31 PM 10:00-11:30** on timer Program number 1. The present time is PM 9:05 on Monday.



**1** Press the **PROGRAM** button to select timer program number 1.

**2** Press the **DAY** button to set the 1st Wednesday (WE).

**3** Press the **START (+)** or **(-)** button to set PM 10:00.

**4** Press the **END (+)** or **(-)** button to set PM 11:30.

*make sure on 1st week!*

### FOR EVERYDAY RECORDING AT THE SAME TIME;

Press the **DAY** button 8 times and all the day of the week indicator lights up, then follow the steps 3 - 8.

- In case of everyday or every week recording, recording continues as long as the timer recording is not cancelled.

It is recommended to set at one minute before your desired start time so as not to miss the first part of the program being recorded.

## CHANGE OF THE TIMER DISPLAY

- Pressing DAY button (SU→MO→TU→WE→.....)
- Pressing START and END buttons (+)...advance(00→01→02→...)  
(-)...reverse(00→59→58→...)

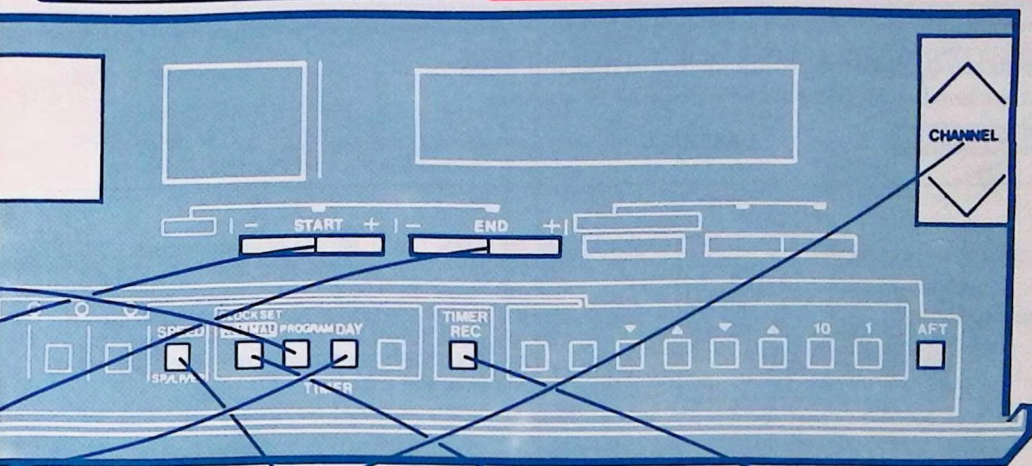
When a button is pressed quickly and repeatedly, the indication will change in 1-minute steps. When it is kept pressed, the indication will change in 10-minute steps.

### CHECK THE FOLLOWING ITEMS BEFORE SETTING TIMER RECORDING

- The day of the week required and whether everyday or every week
  - Start and stop times
  - Channel
  - The number and kind of cassettes
- Take into consideration of replacement of cassette

### NOTE

- The VCR starts recording automatically before 20 seconds at desired start time and stops recording automatically at desired stop time.
- Set the TIMER REC switch to off if you wish to stop before or after the timer recording is completed. If the VCR is stopped in the middle of the timer recording, the preset time remains programmed.
- After setting the TIMER REC switch to on, the unit is automatically turned off except OTR.
- To turn the unit on, set the TIMER REC button to off. If the cassette without tab is inserted, the cassette is automatically ejected to warn you.
- It means that the cassette cannot be recorded. When the tape reaches its end during the TIMER REC, the VCR will turn itself off.
- The tape will not automatically rewind.



- 5 Select channel 31 with the channel 'UP(Δ)' or 'DOWN(∇)' button.
- 6 Set the TAPE SPEED SELECT switch to 'SP' 'LP' or 'EP'.
- 7 Press the CLOCK SET NORMAL button to return to current time on the timer display.
- 8 Set the TIMER REC button to ON.

PM 11:30 131

SP PM 11:30 131

MO 9:07 31

MO 9:07 31



- Repeat steps 1 - 7 to set the other 7 programs.

When TIMER REC has been completed press the TIMER REC button to off.

# THE OTHER CONVENIENT FUNCTIONS FOR TIMER RECORDING

YOU CAN RECORD 8 TV PROGRAMS UP TO 21 DAYS AHEAD, MOVIE, FOOTBALL AND NEWS ETC ..

THE TIMER REC SWITCH SHOULD BE AT THE OFF POSITION, WHEN THE RECORDING TIMER IS NOT IN USE.

## TIMER RECORDING FOR MOVIE AT MIDNIGHT IN FIRST WEEK

To set the timer for program through 2 days.

**FOR EXAMPLE**

**MOVIE**

PM 10:30 - AM 1:00  
(FRIDAY) (SATURDAY)

SUN	MON	TUE	WED	THU	FRI	SAT
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

TODAY

Set the start time (at PM10:30) on (FRIDAY), then set the end time to AM1:00. You do not have to set SATURDAY.

START TIME

END TIME

START PM 10:30

END AM 1:00

## TIMER RECORDING FOR A PROGRAM IN 2ND AND 3RD WEEK

It is convenient for going out on business or for a holiday.

**FOR EXAMPLE**

**BASEBALL**

2nd week Monday the 12th PM 7:30 - PM 9:00  
3rd week Wednesday the 21st PM 1:30 - PM 2:00

SUN	MON	TUE	WED	THU	FRI	SAT
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

TODAY

Set the week, "2nd.," set the program number, "2"; set the day, "MO"; set the start time PM 7:30; set the end time "PM 9:00".

For the next program to preset proceed as follows: Set the week "3rd"; set the program number, "3"; set the day, "WE"; set the start time PM 1:30; set the end time, PM 2:00.

2ND WEEK

3RD WEEK

The end time is allowed to set by PM 11:59 on 22nd.

START MU 3RD PM 7:30

START WE 3RD PM 1:30

## EVERYDAY RECORDING

Setting the same program everyday at the same time.

**FOR EXAMPLE**

**COOKING PROGRAM**

MONDAY - SATURDAY  
AM 11:30 - AM 11:45

SUN	MON	TUE	WED	THU	FRI	SAT
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

- Press the PROGRAM button and select a program (1 to 7), keep pressing the DAY button until the day indicator passes the 1st week and all the days of the week indicators will light up. The recording for everyday program can be done.

START SU MO TU WE TH FR SA 11:30

- The everyday recording can be made continuously for over 21 days until the recording is cancelled or the tape reaches the end.

## EVERY WEEK RECORDING

**FOR EXAMPLE**

**LIVE PROGRAM**

**THURSDAY**  
PM 9:00 - PM 10:00

SUN	MON	TUE	WED	THU	FRI	SAT
				①	2	3
4	5	6	7	⑧	9	10
11	12	13	14	⑮	16	17
18	19	20	21	⑲	23	24
25	26	27	28	⑳	30	31

Press the program button 8 times to indicate 'EVR WEEK' and a program every week can be recorded.



- Every week recording can be made continuously for over 3 weeks until the recording is cancelled or the tape reaches to the end.

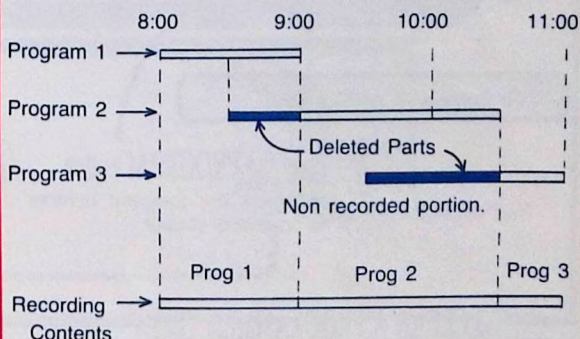
### EXAMPLE CHART

WEEK	1st	2nd	3rd
PROGRAM	1	2	3
START	PM 10:30	PM 7:30	PM 1:30
END	AM 1:00	PM 9:00	PM 2:00

NOTE: The programs can be preset in any sequence at any of the 3 weeks.

### NOTE

- **DO NOT OVERLAP FOR EACH PROGRAMS. SEE DIAGRAM BELOW.**



- ※ The first start recording time takes the priority of the next recording time.

- **POWER FAILURE OR UNPLUGGING THE AC CORD AFTER SETTING TIMER RECORDING**

Since the built-in circuit continues to work for 30 minutes, the recording will return on if the power resumes within 30 minutes.

If the power resumes in over 30 minutes, you have to set the present time (See page 12), then set the timer program again.

- **IF YOU WISH TO RECORD OR PLAYBACK AFTER SETTING THE TIMER RECORDING**

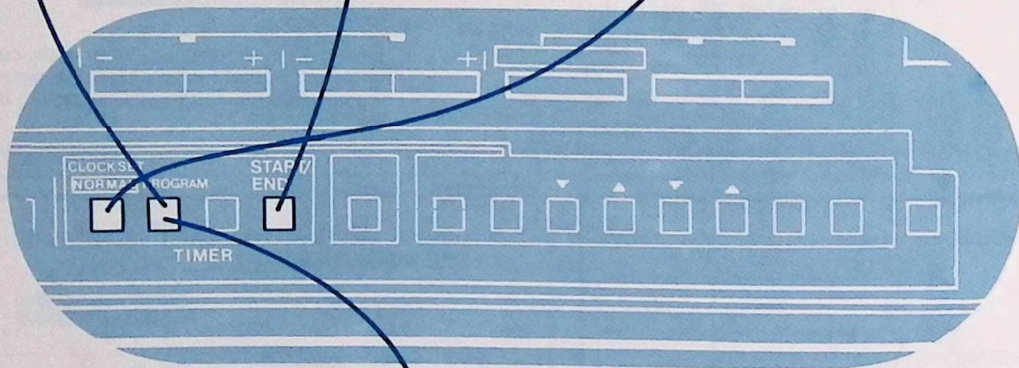
As long as the TIMER REC button is ON, the VCR cannot be operated manually and, recording or playback doesn't work. To record or playback, set the TIMER REC button to OFF, then return it to the ON position, before the starting time.

## AFTER SETTING TIMER RECORDING

☆ Set the **TIMER REC** button to **OFF** and the **TIMER REC** indicator goes off.

### TO check the timer program settings

- 1** Press the **PROGRAM** button  
To indicate the program, and the respective preset start time will be on display.
- 2** Press the **START/END** button  
And the stop time of the program will be on display.
- 3** Press the **CLOCK SET** button  
to **NORMAL** position, and the present time will be in display and the unit will return for normal operation.

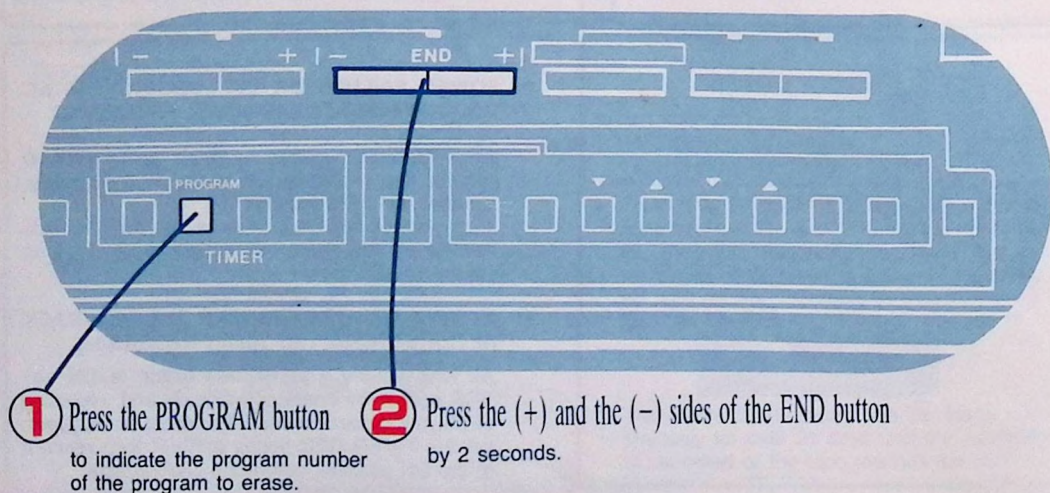


### To correct or reset a time

- 1** Press the **PROGRAM** button  
to select the program number to correct or preset.
- 2** Press the **DAY**, **CHANNEL** or **START** or **STOP** button  
to correct or preset the appropriate feature.

## TO CLEAR A PROGRAMMED TIME

☆ Set the **TIMER REC** button to **OFF** and the **TIMER REC** indicator goes off.



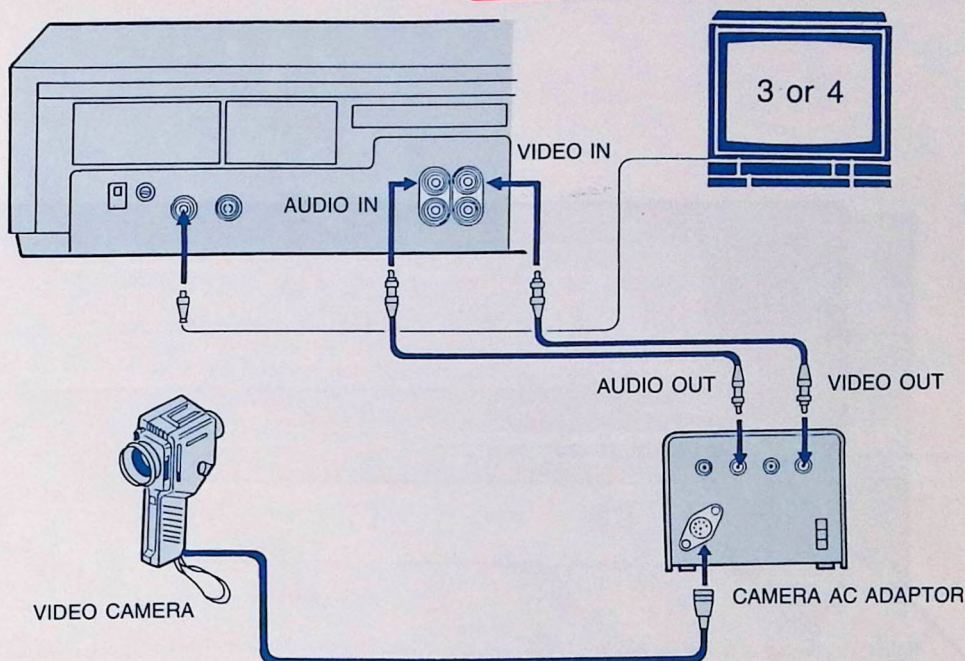
# HOW TO RECORD WITH A VIDEO CAMERA

YOU CAN MAKE YOUR OWN VIDEO TAPE RECORDING WITH A VIDEO CAMERA. READ THE OWNER'S MANUAL OF YOUR CAMERA CAREFULLY AND CONNECT THE EQUIPMENT TO BE USED FOR RECORDING.

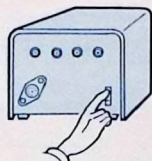
## CONNECTION

### PREPARATION

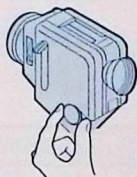
- After connecting, load a cassette tape.
- Set the TV channel to 3 or 4. (For monitoring)
- Set the TAPE SPEED switch to SP, LP or EP.



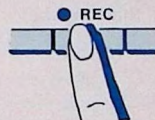
- ① Turn ON the camera AC adaptor.



- ② Adjust the VIDEO CAMERA.



- ③ Press the REC button to start recording.



Press the STOP button to stop recording.



To skip the scene that you do not require, press the PAUSE/STILL button.



### NOTE

After recording, you must disconnect the cable from the AUDIO/VIDEO jacks. If you keep connections, you cannot record TV program.

# PLAYBACK

TO PLAYBACK A PRE-RECORDED CASSETTE TAPE PROCEED AS FOLLOWS:

## PREPARATION

- Turn on the TV POWER switch and set to the video channel 3 or 4.
- Make sure that the TIMER REC switch is off.
- Make sure that the timer display shows the present time correctly.

1

Load a pre-recorded tape.

When a cassette tape which has the prevention tab removed is inserted, playback will start automatically.

2

Press the PLAY button.  
Playback will start.

To rewind or forward the tape rapidly.

Press the REW button or FF button.

- Make sure that the tape is in STOP mode, then press the REW button or FF button.

To stop playback.

Press the STOP button.

## TRACKING ADJUSTMENT

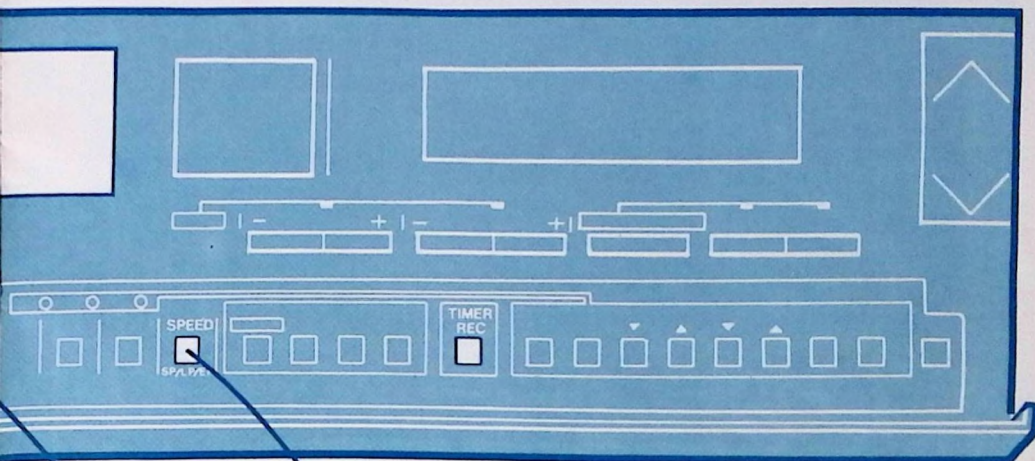
IF NOISE BARS APPEARS IN THE PICTURE DURING PLAYBACK, ADJUST THE TRACKING CONTROLS AS SHOWN.



Adjust the TRACKING control to achieve the best picture.

### NOTE

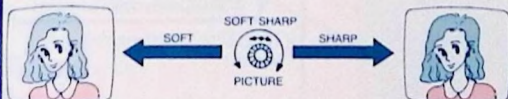
- Remember to return the TRACKING control to the click-stop position after use.



On playback, the correct tape speed is automatically selected.  
The TAPE SPEED switch need not be adjusted.

#### PICTURE QUALITY ADJUSTMENT

ROTATE THE PICTURE CONTROL FOR THE DESIRED PICTURE QUALITY.



The picture control adjusts the playback picture so that the outline is sharper or softer.

#### NOTE

The click-stop position is the standard position for the picture control.  
This control is only effective during playback.

#### REMOTE CONTROL OPERATION



- The infra-red beam should be transmitted directly at the REMOTE SENSOR on the front of the VCR.

- Load a pre-recorded tape.
- Press the PLAY button. Playback will start.

# SPECIAL EFFECTS PLAYBACK (No sound)

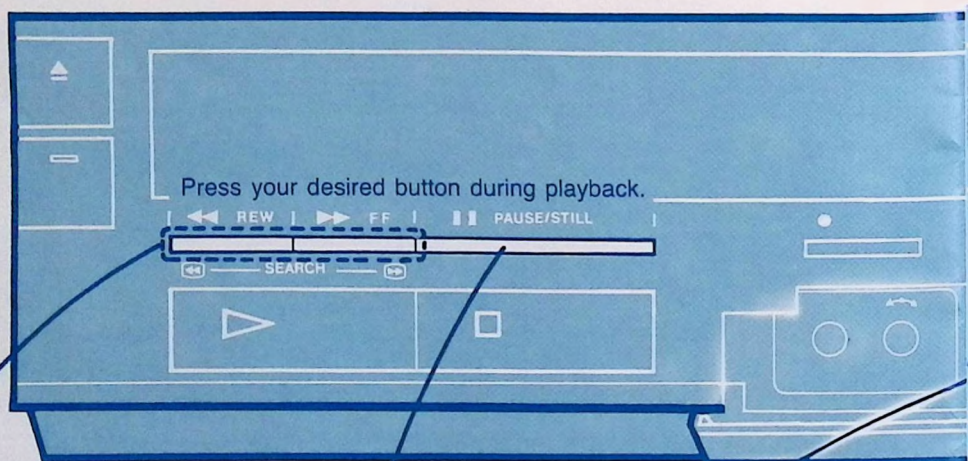
"SPEED SEARCH" AND "STILL" PLAYBACK CAN ONLY BE USED WITH CASSETTE TAPES RECORDED IN "EP". THE AUDIO OUTPUT IS MUTED DURING THIS PLAYBACK MODE.

WHEN PLAYING BACK A PRE-RECORDED TAPE IN SP MODE DURING SPEED SEARCH AND STILL OPERATION, LARGE NOISE WILL APPEAR, COLOR WILL LOSE, AND NOISE SOUND WILL BE HEARD.

THIS IS NOT AN INDICATION OF MALFUNCTION.

## PREPARATION

- Turn on the TV POWER switch and set to the video channel 3 or 4.
- Make sure that the TIMER REC switch is off.
- Make sure that the timer display shows the present time correctly.



### TO WATCH THE SCENE ONCE AGAIN OR SKIP THE UNWANTED SCENE:

Press the REW/REVIEW SEARCH button or FF/FORWARD SEARCH button during playback.



- To release the speed search mode, press the PLAY button.

- A few noise bars will appear on the picture during SPEED SEARCH operation. This is not an indication of a malfunction.
- When the picture is moving up or down ("rolling") adjust the Vertical Hold Control on the TV set.

### TO WATCH THE STILL PICTURE, EXCITING SPORTS GAME OR FILM:

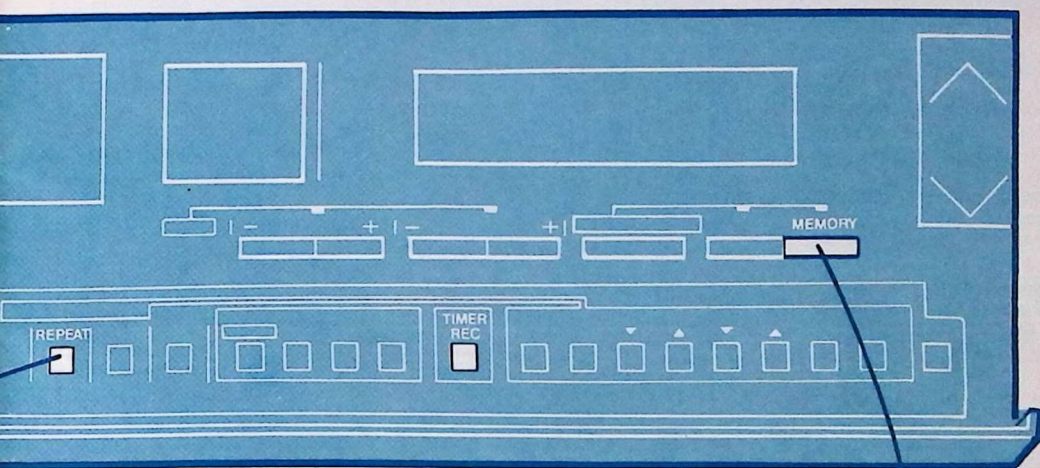
Press the PAUSE/STILL button. A few noise bars will appear.



- To continue the normal playback, press this button again.
- If the STILL function continues more than 5 minutes, unit will automatically stop.

### TO WATCH THE PROGRAM REPEATEDLY:

Press the REPEAT button, then VCR will playback the same cassette tape again and again.



## REMOTE CONTROL OPERATION

- The infra-red beam should be transmitted directly at the REMOTE SENSOR on the front of the VCR.

### STILL Picture

Press the PAUSE/STILL button.

### REVIEW SEARCH OR FORWARD SEARCH

Press the REVIEW SEARCH or FORWARD SEARCH buttons.



Operate the UNIT during playback.

TO WATCH THE FANTASTIC SCENE AGAIN:

See "MEMORY REWIND".  
(page 28)

# CONVENIENT USE OF THE COUNTER/TIMER DISPLAY

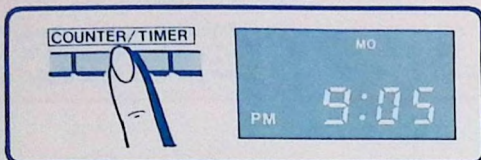
THE COUNTER/TIMER DIGIT DISPLAY HAS THREE OPERATING MODES:

1. Present time display.
2. Four digit numerical counter display.
3. Programmed recording time display.

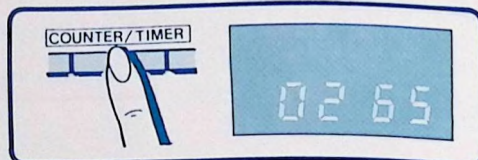
## PRESENT TIME DISPLAY

Press the COUNTER/TIMER SELECT BUTTON once for the present time display.  
Press again for the counter display.

### PRESENT TIME



### COUNTER



#### NOTE

The clock operates irrespective of the display position (CLOCK or COUNTER).

## MEMORY REWIND

The memory rewind function provides a convenient method of rapidly returning the starting point of recording or playback. The starting point can be indexed for any location on the tape by pressing the COUNTER MEMORY button.

- ① Press the COUNTER/TIMER button to select the counter display.
- ② Press the COUNTER RESET button to set the counter to "0000", then press the MEMORY button.

#### NOTE

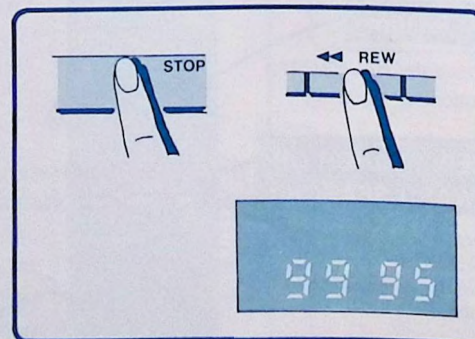
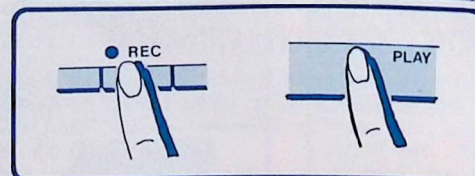
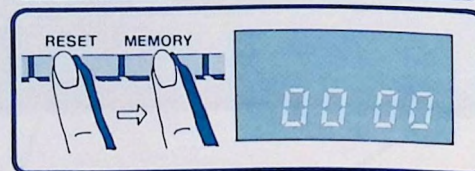
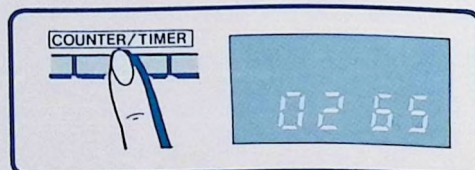
The counter will be reset to "0000" when the RESET button is pressed in the counter mode.

- ③ Start recording or playback.

- ④ When recording is finished, press the STOP button and then the REW button. When playback is finished, press the STOP button and then the REW button. The tape will rewind to the around "9995" position of the counter and stop.

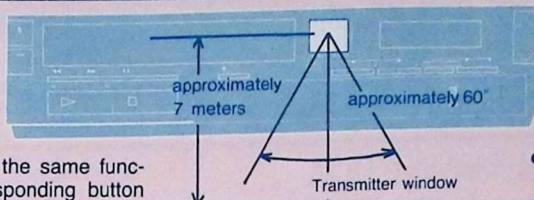
#### NOTE

To review part of a tape, press the RESET button at the beginning of the required portion to set the counter to "0000" and press the MEMORY button.



# REMOTE CONTROL OPERATION

- ☆ Each button has the same function as its corresponding button on the VCR main unit.



## REMOTE SENSOR

- Aim the remote control directly to the remote sensor.
- Operation Distance - within approximately 7 meters from the front of the VCR. (It depends on surrounding brightness.)

POWER switch

RECORD button

To start recording, press the both buttons simultaneously.

PLAY button

REWIND/REVIEW SEARCH button

FAST FORWARD/FORWARD SEARCH button

VCR/TV SELECTOR button

CHANNEL SELECTOR buttons

STOP button

PAUSE/STILL button

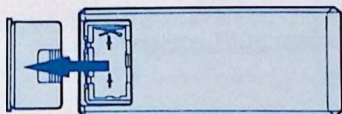
## NOTE

- Do not allow strong light to fall on remote sensor.
- Operate the remote control in the position where you can see the remote sensor.
- "SPEED SEARCH", "STILL" playback can only be used with cassette tapes recorded in "EP".

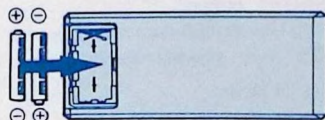
## BATTERY INSTALLATION

\* Use two size 'R03/AAA/UM-4' batteries.

- ① Slide the cover of the battery compartment in the direction of the arrow and remove.



- ② Load the two batteries as shown below and replace the cover. Make sure that the polarities, + and -, are properly aligned.



## CHANNEL NUMBER FILM TAB

A miniature polyester film tab sheet with channel VHF/UHF and CATV numbers to stick on Remote control buttons after the channels are being preset, is provided for direct access to selecting channels.

## NOTE

- Do not use a new battery with an old one or a different one.
- Do not heat, disassemble, short, recharge and throw batteries into a fire.
- Be careful not to spill liquids into the inside.
- Do not drop and shock it.
- Do not put heavy things on it.
- A short effective operating distance means weak batteries. Replace weak batteries with fresh ones.
- Weak batteries can leak and severely damage the REMOTE CONTROL unit. Always remove batteries as soon as they become weak or if the unit is not be used for a long time.

# CONNECTION WITH OTHER EQUIPMENT

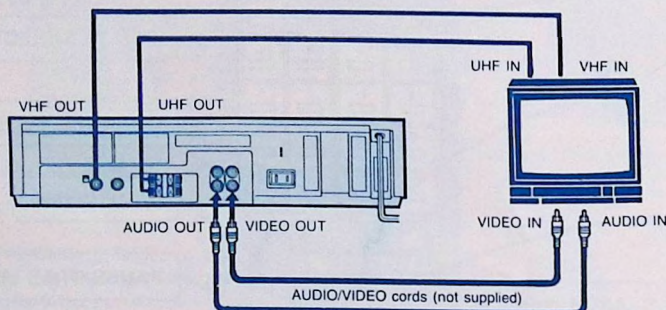
## THE VIDEO AND AUDIO JACKS CAN BE USED TO CONNECT THE VCR TO OTHER AUDIO OR VIDEO UNIT.

The VIDEO IN and AUDIO IN jacks have priority over other inputs. Recording of broadcasts with the VCR tuner is not possible when the VIDEO and AUDIO input jacks are in use.

### CONNECTION TO THE TV WITH AUDIO/VIDEO JACKS.

The standard connections are described on page 8. If, however, your TV has AUDIO/VIDEO jacks and you connect them to the VCR as shown below you receive better quality pictures and sound.

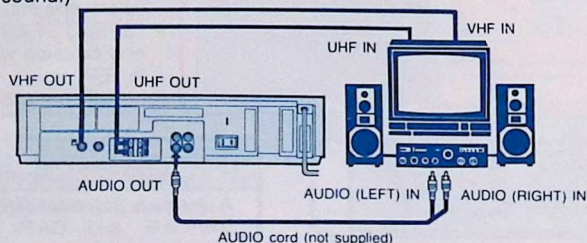
In this case, set TV input select switch to video position. (No need to set the VCR/TV select switch to VCR position.)



### CONNECTION TO THE STEREO EQUIPMENT

If you connect to the stereo equipment, you can playback sound from the speaker of the stereo equipment.

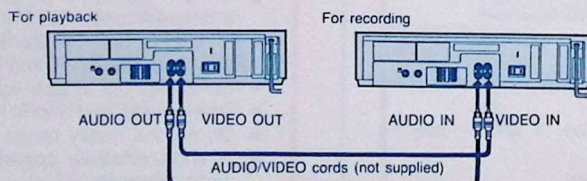
**NOTE** (It is monaural sound.)



### DUPLICATING A VIDEO TAPE

If you connect the VCR to another one, you can duplicate a pre-recorded tape.

- It is recommended that you should set the TAPE SPEED to SP mode on the recording VCR.
- When you playback the duplicated tape, adjust the PICTURE control to SOFT position to get the better picture.



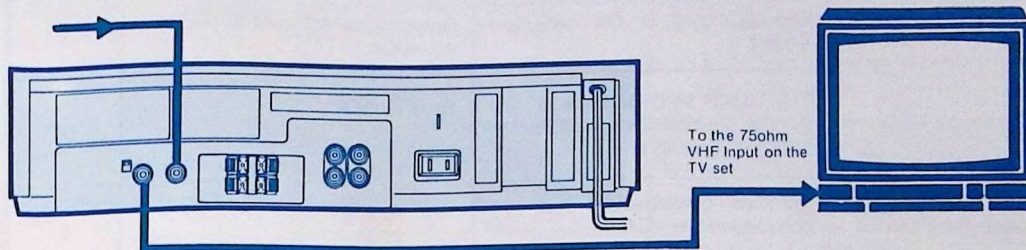
- Press the REC button on recording VCR, then press the PAUSE/STILL button.
- Press the PLAY button on playback VCR, then press the PAUSE/STILL button.
- Press the PAUSE/STILL button on the both VCRs simultaneously.

**NOTE** After duplicating, disconnect the cable from the AUDIO/VIDEO IN jacks. You cannot record TV program if you keep the connections.

## CABLE TV/PAY CHANNELS BASIC HOOK-UP

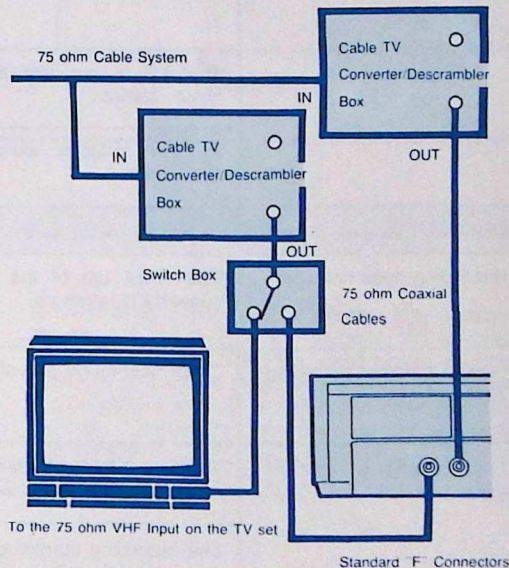
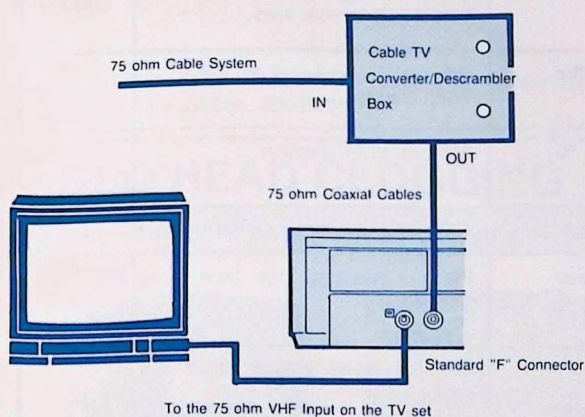
Many cable companies offer up to 30 (or more) channel services including Pay or Subscription channel. The VCR has extended tuning range and can tune to the most of those cable channels without using a cable company supplied converter box except channels those are intentionally scrambled by the company. Follow the connection diagram below.

Cable Co. supplied 75 ohm Coaxial Cable



## TYPICAL CABLE SYSTEM HOOK-UPS WITH CABLE CONVERTER/DESCRAMBLER BOXES

However, if you subscribe to a special channel which is scrambled, you probably have a descrambler box for proper reception. This VCR by itself cannot properly receive a scrambled program since it does not contain a descrambler. In order for this VCR to properly receive a scrambled program, your existing descrambler must be used. There are two commonly used methods of connection in this case. In both cases, VCR must be tuned into the converter/descrambler box output frequency of either channel 3 or 4.



**NOTE**

Not available from our company. Please contact your cable company.

The above cable hook-up allows VCR-TV functions except when viewing one channel while recording another.

The above cable hook-up allows VCR-TV functions, including viewing one channel while recording another, but it requires two cable TV converter/descrambler boxes and one Switch Box.

# BEFORE REQUESTING SERVICE

WHAT MAY INITIALLY APPEAR TO BE TROUBLE IS NOT ALWAYS A REAL PROBLEM.  
MAKE SURE FIRST.....  
CHECK AND CORRECT THE FOLLOWING POINTS ONCE AGAIN.

Synptoms	Cause	Treatment	Page
<b>POWER</b>			
No power.	The AC cord is not connected.	Connect the AC cord to the AC outlet.	—
	The TIMER REC switch is in the ON position. (The TIMER REC indicator lights up.)	Set it to OFF.	19
The VCR does not work even though the POWER is ON.	Moisture condensation has occurred in the VCR.	Wait for a few hours.	2
<b>TV BROADCASTS RECEPTIONS</b>			
TV program that is selected by the VCR does not appear on the screen.	Antenna connection is not correct.	Connect it again.	8
	Antenna cable is disconnected.	Reconnect the antenna cable correctly.	8
	The video channel is not correct position.	Set it to CH 3 or 4 whichever is not being used for TV broadcasts in your area.	9
	The TV is not sett to the video channel.	Set the TV channel to the video channel.	9
	VCR/TV selector switch to 'TV' position.	Set it to 'VCR' position.	—
<b>RECORDING</b>			
Recording does not work.	The small tab of the video cassette is taken off.	Place a piece of vinyl tape over the gap.	13
One touch timer recording does not work.	Timer flashes on and off.	Set the present time correctly.	12
Timer recording does not work.	The time is not set correctly.	Set the present time correctly.	12
	The recording start/stop time is not set correctly.	Set the start/stop time correctly.	18 19
	TIMER REC is in the OFF position.	Set the TIMER REC switch to ON.	17
	One touch timer recording is in operation.	After one touch timer recording, set the program timer.	17

## PLAYBACK

Playback picture does not appear.	The TV is not set to the video channel.	Set to the video channel 3 or 4.	9
No color in the playback picture. Snowy in the playback picture.	Tracking is not adjusted.	Adjust TRACKING control.	24
	Video heads get dirty.	Clean the video heads.	33
	The tape is old.	Use a new one.	—
OTHERS			
Remote control does not work.	It does not face to the remote sensor.	Aim it at the remote sensor.	29
	Distance too far.	Operate within 7 meters.	29
	There is an obstacle.	Take it away.	29
	The batteries are used up.	Exchange the batteries.	29
	The +, - of the batteries is, not inserted correctly.	Insert correctly.	29
TV program can not be appeared by the TV selector.	The VCR/TV selector switch to 'VCR'.	Set to 'TV'.	—

If the above remedies do not cure the problem you are having, please refer to your service directory or call customer service toll free: 800-922-0738.

## VIDEO HEAD CLOGGING

The video heads are the means by which the recorder places pictures on the tape during recording, and reads pictures from the tape during playback.



In the unlikely event that they become dirty enough to be clogged, no picture will be recorded or played back. This can easily be determined if, during playback of a known good tape, there is good sound, but no picture (picture is extremely snowy). If this is the case, have the recorder checked by qualified service personnel.

## VIDEO HEAD CLEANING

Head cleaning is needed when the picture on playback gets rough although the picture on program is normal. This failure signifies that the head is getting dirty and dust adheres to it when playing poor quality or damaged tapes. To clean the heads, obtain a good quality head cleaning cartridge from your local video dealer. Be sure to follow the instructions that come with the cleaning cartridge, as excess use can shorten head life.

### NOTE

Video heads will wear out like record needles and should be replaced when they fail to produce clear pictures anymore.

EMERSON RADIO CORP.

For future reference, a space has been provided for recording the serial number of your VIDEO CASSETTE RECORDER SERIAL No. 312-711 4382

A serial number label is located on the rear panel.